

&LUFXODU 1R

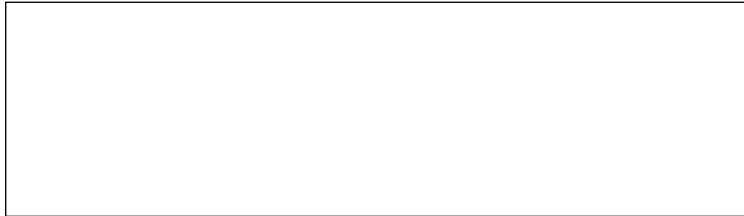


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	,QYHVWLJJDWLQJ WKH H[WHQW RI ,5 LQQRYDWLRQ DQG UHODWHG L ZLWKLQ W.K.H...0.0.....	8
	,QYHVWLJJDWLQJ VNLOOV GHPDQG DQG WKH QDVFKDQJRIQVXSBDKQRD ZLWKLQ GLIIHUHQW VXE.V.H.F.W.R.U.V...LQ W.K.H...0.0.6.....	9
	'HYHORSLQJ D IUDPHUZPLON WRQGLFLSDWH IXWXUH VNLOOV QHHGV VXE.V.H.F.W.R.U.V.....	9
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1. INTRODUCTION

7KH 0LQLQJ 4XDOLILFDWLRQ DW \$LWWRU HVWDEOLSV KHG XQG
0LQH +HDOWK DQG 6DIHW\ \$FW 1R RI HFWRG ODWHU L
(GXFDWLRQ DQG \$GKRUHQHU WKH 6NLOOV 'HYHORSPHQW \$F
7R WKLV HQG WKH 04\$ LV DQG FWRDLQGLQJ \$WLRO ULW
6(7\$ UHVSQRVLEOH IRU WKH DGPLQLVWUDWLRQ RI
SURJUDPPHV IRU WKH 0LQLQJ DQG 0LQH UDQV 6HFWRU LG

2. STRATEGIC OBJECTIVES

- 2.1 3URPRWH HIILFLHQW DQG HIRUPHQWV WUHQWUHQFH DQG
- 2.2 ,PSURYH VNLOOV GHYHORSPHQWV SLODQV KQRXJG UHFDULF
- 2.3 3URPRWHEZRHO VNLOOV GHYHORSPHQW WR VXSSRUW V
 PLQH VHQWRO
- 2.4)DFLOLWDWH DFFHVV WR RFXSDWURSDUQV DPEHMFWRHG WK
- 2.5 6XSSRUW WUDLQLQJ QERPFKQWV LQ PLQ
- 2.6 (QVXUH WKH GHOLYHU\ RI TXDOLWRLQHU DQG SURJUD

3. LEGISLATION GOVERNING THE MQA

7KH 04\$ LV D VHQWLRQV WUHQWUHQFH WKH SULPDU\ PDQGDWH RI FR
VNLOOV GHYHORSPHQW SURFHVVHV DQG SURJUDPPHV LG
REMHWLYH RI WKH 04\$ LV WR VXSSRUW WKH 006 WR
VXIIILFLHQW DQERUP \$FWHQV SDWLQJ VHQWLRQV
006

7KH OHJLVODWLYH IUDPHZRUN WKDW WKH 04\$ RSHUDWH
SULPDU\ LVODWLYH ZKQWUHQPHQWV
D 0LQH +HDOWK DQG 6DIHW\ \$FW RI
E 6NLOOV 'HYHORSPHQW \$FW RI DQG
F 0LQH UDQV DQG 3HWUROHXP 5HVRXUFHV 'HYHORSPHQW

2023-2024 MQA RESEARCH AGENDA

7KH 0LQH +HDOW 6DIHW\ \$FW RI 6HFWL	7KH 6NLOOV 'HYH \$PHQGPHQW \$ \$FW RI	0LQHUDO DQG 3 5HVRXUFHV 'HYH \$FW RI RI
(VWDEOLVKHG W -XQH WR DC PLQLVWHU RI C (QHUJ\ QRZ WKH 0LQHUDO 5HVRXU D 7KH FUHDW IUDPHZRUN IRU DQG OHDUQLQJ LQ WKH PLQLQJ LPSURYH KHDOW VWDQGDUGV WK WDLQLQJ DQG HC E 6WDQGDUG FRPSHWQF\ DVVHVPHQW H TXDOLW\ DVVX DFFUHGLWDWLRC LQG XVWU\ DQG F /LQNLQJ DQG IUDPHZRUN IRU LQG XVWU\ WR 4XDOLILFDWLRQ UHIHUHG WR L 4XDOLILFDWLRQ \$FW RI	6HFWLRQ \$ RI 3UHVWDEOLVKHG IROORZV 'HVSLWH DQ\WK FRWUDU\ LQ HL WKH 0LQH +HDOW \$FW \$FW DQGLWK HIIHFV 0DUFK WKH 4XDOLILFDWLRQ HVWDEOLVKHG VHFWLRQ RI 6(7\$	(VWDEOLVKHV 0LQHUDO DQ 'HYHORSPHQW 9 LQ WHUPV RI 6 RI WKLV \$FW 3L ZLWK W4\$ HQV SURPRWLRQ R UHVRXUFHV GHY WKH PLQHODOV LQG XVWU\

7KHHS DUWPHQW RI +LJK (LQGLDQV UHFHQWO\ SURPXOJDWHG WKH 1DWLRQDO 16N1 0LQVRIHORS PHQW 3OD RQ \$SULO KH SODQ LSHUWLFV VHFWRU WKH ZLW DULRXW FRV DGGUHVW WKH WDUJHU 4\$ LV JXLGH WKH SROLFLHV RI WKH 'HSDUWPHQW UDLQLQJHU (GX 7KHUHIHUHG SROLF\ FKDQJHV ZLOO EH LQFRUSRUDWHG L SURJUDPPHV DQGLDQV WDLHG ZKHQ WKH HHG

4. IMPORTANCE OF RESEARCH

6FLHQWLVHFDUFK LV QHFHVVDU\ WR LQFUHDVH NQRZOHG
H[WHQW DQG NLVODWHGRIPDQGLDQGHXVSDHNDUFK LV
UHTXLUHG LQ RUGHU WR SURYLGHODIEHXODLFOXU PDUNH
UHTXLUHREBQWRVUV VKDSLQJ WKH VNLOOV GHYHORSPHQW
SODQQLQJ DQG VNLOOV GHYHORSRPHQWUEKWLMDYHFCMGLRQ
DW LPSURYLQJ WKHKTUXDOLKVVNLLOOLRHSKZFHONRHSUPHQW
SRSXODVBRSHFLDOQWKH QW6LV IXQGDPHQWLDQJLNLOOV
SURI5OHVHDWFKWKHGHHRLOHGH DV D V\VVWHPDWLF LQYHV
LQFOXGLQJ GHYHORSRPHQWVHYDOXDWLRQ GHVLJQHG
GHYHORS RU FRQWULEXWH WR JHQHUDOL]DEOH NQRZOHG
IDFWV DQG UHDFK QHZ FRQFOXVLRQVDERORSPHQWVXW
WRSRFOHJLVODWLYH DQG IXQFWKRODORLPHSBUOMGYH
VWXG\ RID VXEMHFW HVSHFLDOOLQ RUGHU WR GLVFRY
D QHZ XQGHUFRWDQGLQJWHHDWFK ULVNRVWRRWGH
(GXFDWLRQ DQ6677V\VLQVLP LQ UHDOORQLRXWOLHQHVE\
WKH :SDSHRU 36,77 FDQ SURYLGH LQVLJKWV LQWR WKH 36
WKH FRQVWLWXHQFLHV LW VHUYHV DERXW WKH VXFFHV
WKHLU LPSOHPHQWDWLRQ DQG DERXW WKH H[SHULHQF
VLPLODU FKDOOHQJHV ,W DOVRDQGLDORPHSDSHDFWLVWLVHQH
WKHRULHV DQG DSSURDFKHV WR WKH SURYLVLQR RI
GHYHORSPHQWGHUHQGLQDWDWLRQV DSSOLFDWLRQV IRU W
V\VVWRRVW LPSRUWDQWQKPDNH DMDLGRPHKLFK
WKH\$LV DEOH GRFLDNLHQVLHZ SROLFLHMDWGH LPSURYH
VHUYLDFHVSUDFWLFHV

5. THE MQA RESEARCH PRIORITIES

7KH4\$UHVHDFK DJMRGRXWHVWURMHFWV WR EH SULRULW
IRWKH S\$SURG WR ODUFK ,WLQVRUPHG E\ WKH VWUDWHJ
REMHHVWXWOLQHG LQ\$ VWODQDQGLF\$QQXDO SHUIRUPDQFH
7KH UHVHDFKLVWRQGHQGFROODERUDWH RQ UHVHDFK S
VNLOOV GHYHORSPHQW SULRULWLHV ZLWKLQ WKH 006
LQIRUPHHGVGRQV DQG FUHDWLQJ D FUHGLEOH LQVWLWXW
GHYHORSPHQW SODQQLQJ DRUG UHVHDFK LQ WKH VHFV

7KH SXUSR VH RI WKH 16'3 LV WR HQVXUH WKDW 6RXWK
DSSURSULDWVDOOV WKDW FRQWULEXVZMMRZDUGV H
HPSOR\PHQW FUHDWLRQ DQG VRFLDO GHYHORSPHQW WK
RXWFRPHV

- 7KH SULLVRLHV WKDW VW D QRGURVXMHLOO VW B H H I D V IROORZV
- ,GHQWLI\ DQG LQFUHDVH SURGXFWLRQ RI RFFXSDWLRQ
- /LQNLQJ HGXFDWLRQ DQG ZRUNSODFH
- ,PSURYLQJ WKH TXDOLW\ RI HGXFDWLRQ VNLOOV GHYHORSPHQW
- 6XSSRUW WKH JURZWK RI WKH SXEOLF FROOHJH V\VVXHV
- 6NLOOV GHYHORSPHQW IRU HQWUHSUHQQHXUVKLS
- 6XSRZRUWUNLQULWVWVHGLQJ
- 6XSSRUW FDUHHU GHYHORSPHQW VHUYLFH

(DFK IRFXV DUHD FRXOG JHQHUDWHHPGVLOOQKILQLWH O
 WRSLFV D QRGURVXMHLOO VW B H H I D V IROORZV
 KRZHYHU LGHQWLILHG VSHFLILF IRFXV DUHDV DQG WR
 SULRULWKHIRUWKH 04\$ ZRUNV DQG SDUWQHUV ZLWK N
 LQVWLWXWLRQV VXFK DV XQLYHUVLWLHV DQG RWKHU UH
 DQ LQVWLWXWLRQDOPHF&ODQQRQRU VN

7R HQVXUH WKH FRQWLQXDO REMHFWLYH GHFLVLRQ PDM
 SODQQLQJHWHWFK B H H I D V IROORZV
 ILQDQFLDO \HDU

5.1 Sector Skills Plan 2024/25 (Annual Update) - Legislative Imperative

7KH IRFXV RI WKH B H H I D V IROORZV
 LQWHUYHQWLRQ IRU WKH QH[W \HDUV

- .H\ IRFXV DUHDV LQFOXGH WKH
 - 04\$ VHFWRU SORLXCHLQJ
 - ,GHQWLI\LQJ WKH NH\ UROH SOD\HUV
 - (FRQRPLF \$QDQWLWRRI
 - (PSOR\HUEDERXU 0DUNHWLV
 - .H\ FKDQJH GULYHUV RI WKH ZHFWRUHQDO DO
 VWUDWHJLHV DQG SODQV
 - .H\ VNLOOVVLWR EH DGGUHVVHG IRU WKH VHFWRU
 - 2FFXSDWLRQDO VKRUWDJHV DOO VNLOOV JDSV Z
 - 6XSSO\ DQG GHPDQG LPSHUDWLYHV LQ WKH 006
 - &XUHQW DQGFISRUWGHUVKLS
 - 6HFWRU SULRULWLHV LQ VNLOOV GHYHORSPHQW

5.2 WSP_ATR Trends Analysis Update (2020-2023) - Functional Imperative

7KH EURDG WKHP IRU WKG M YH V X R G P U H Q Q W K H V S N I F O W W R
GHPDQGV D Q S O \ WR LQIRUP PRUH DSSURSULDWH LQWHUY

- .H\ RFXV DUHDV LQFOXGH WKH
- 7UHQQV DQDO\ \$ 7.5 V X E B B V V L R Q V E \ V X E V H F W R U F R
D Q G S U R Y L Q F H
- 3URILOH R 16 W K Z H R U N I R B F F X S D W L R Q D O J H Q G H O U U D F
Q D W L R Q D O L W \ D J H D Q S D G W D B V O L W \ R Y H U
- +D U V R L O O Y D F D Q F L H V L Q W H U F W R U S U R Z H Q D H D W X E H
Z K \ H P S O R \ H U V L G H Q W L R O C K H P D V K D U G
- 7UHQQV DQDO\ V L X Q G H W D D Q S Q D Q Q H G I R D V H P S O R \ I
U H S R G W R Q W K \$ 7.5 3 L Q W K H B D V W

5.3 Exploring the nature and future of AET programmes in the MMS - Functional Imperative .

7KH EURDG WKHPH IRU W K V H D Q G \ H Q W K J U D W M R Q H R I
,5 LQWR WKH \$(7 SURJUDPPHV LQ VXEVHFWRUV LQ WKH

- .H\ RFXV DUHDV LQFOXGH WKH
- , Q W H U Q D W S R Q D Q Q F H V H F W R U D O H [S H U L H Q F H D
H [S H U L H Q F H V E H Q F R P D L N L Q (7 \$ V W \$ X F (7 \$ V
(Q H U J \ : D W H U & (R S U D W L R Q W (7 \$ D L Q L Q V L J K W L Q W
H [S H U L H Q F H V V X F F H V V H V F K D O O M Q R H G H D Q G R S U D
F U L W L F D O V X F F H V V I D F W R U V I R U L Q W H J U D W L Q J , 5
W K H E H Q H I L F L D U L H V Z L W K L Q W K H 0 0 6
- ([S O R U H G L I I H U H Q W I X Q G L Q J P R G H O V D Q G P H F K D Q
R X W F R L Q W K H 0 0 6
- 7 K H Q D W X U H R I V X S S R U W U H T X L U H G I U R P W K H 0 4
V H Q L R U F H U W L I L F D W H I R U D G X O W V
- 6 W D W H R I U H D I G I D Q M U X F W D X U D B V R X U D F L Q L I R J S U R Y L G I
W R U R O O R X W W K H \$(7 L Q W K H F R Q W H [W R I F K D Q J L
- 1 D W X U H R I H O H P H Q W D U \ G L J L W D O V N L O O V Q H F H V V I
- (Q D E O L Q J P H F K D Q L V P L Q I U D V W U X F W X U H P R G H V R
I R U U R O O L Q . S U R W X D P P \$ 7

5.4 Investigating the state of the MQA funding policy with respect to grants
(Learnerships including RPL for non-artisans, occupational health and safety,
candidacy, work experience and coaches programmes) - Functional
Imperative

7KH EURDG WKHPH IURHUVSKHU L VWOXG FVH VFKHDV OOHQJHV
DQG SUDFWLFDODQGVRIORP LPSOHPHQWLQJ JUDQWV IR
JUDQWVORFDWLRQ

- .H\ IRFXV DQHFDXGH
- %HQFKPDUNLQJ ZLWK RWKHU 6(7\$V IRU EHVW SUD
SXUSRVH PRGHOV IRU HQVXULQJ HIILFLHQW HIIHF
DOORFDWLRQ
 - 5HYLHZ WKH 04\$ IXQGLQJ SROLF\ ZLWK UHJDUGV WR
PLV PDWFKHV EHWZHHQ SROLF\ DQG LPSOHPHQWV
'HYHORSLQJ D ILW WR SXUSRVH JUDQW PRGHO ZK
VFUXWDLQQRQJRLQJ UHYLHZ IRU LPSULRYHOGSLQJ IRU
PRQLWRULQJ DQG HYDOXDWLRQ V\ VWHPV DQG SURF

5.5 Assessing the effectiveness of partnership between the MQA and Community Education and Training Colleges (CETCs)

.H\ IHDWXUHV

- :KDW LV WKH ~~VERSH~~ ~~DQG~~ V IURP WKH '(7 SHUVSHFV
- :KDW LV WKH ~~SOD~~ ~~VRXV~~ DQG JRDOV SULQFLSOH\ XQGHUSLQQLQJ WKLV SDUWQHUVKLS LQ WKH 04\$"
- ,GHQWLI\LQJ WKH ,QWHQWLRQ RI 16'3 LQ H[SDQGLQ &(7&V DQG KRZ WKH 04\$ LV LPSOHPHQWLQJ WKLV YI
- :KDW DUH WKH VWUHQJWKV DQG ZHDNQHVVHV RI V ZRUNV DQG ZKDW GRHV QRW ZRUN DQG ZK\"
- :KDW UROH FDQ ~~QK~~ ~~VO~~ ~~LS~~ ~~SO~~ ~~D~~ ~~V~~ ~~L~~ ~~W~~ ~~K~~ ~~H~~ &(7&V"
- %DVHG RQ WKH NH\ IDQ ~~BR~~ ~~GH~~ ~~HO~~ ~~GR~~ ~~V~~ ~~H~~ ~~OR~~ ~~IS~~ ~~FW~~ ~~LY~~ ~~H~~ DQG SDUWQHUVKLS D PRGLPS ~~UR~~ ~~K~~ ~~Y~~ ~~H~~ ~~P~~ ~~H~~ ~~Z~~ ~~Q~~ ~~W~~ ~~O~~ ~~R~~ ~~D~~ ~~N~~ ~~D~~ ~~G~~ ~~H~~ ~~W~~ ~~J~~ EHW 04\$ DQG &(7&V

5.6 Investigating factors impeding attainment of equity targets with respect to people with disability in the MMS

.H\ IHDWXUHV

- :KDW LV WKH QDWXUH RI HPSOR\PHQW SURILOH VX~~E~~HFWRUDO UDFLDO JHQGHU DJH DQG RFFX SHRSOH OLYLQJ ZLWK D GLVDELOLW\"
- :KDW DUH WKH ~~IO~~ ~~K~~ ~~W~~ ~~Q~~ ~~E~~ ~~L~~ ~~V~~ ~~Q~~ ~~J~~ ~~W~~ ~~K~~ ~~H~~ ~~P~~ ~~S~~ ~~O~~ ~~R~~ ~~\~~ ~~P~~ ~~H~~ ~~Q~~ ~~W~~ ~~R~~ ~~I~~ ~~S~~ ~~H~~ ~~R~~ ~~S~~ ~~O~~ ~~H~~ ~~Z~~ ~~L~~ ~~W~~ ~~K~~ ~~D~~ ~~G~~ ~~L~~ ~~V~~ ~~D~~ ~~E~~ ~~L~~ ~~O~~ ~~L~~ ~~W~~ ~~\~~ ~~"~~
- :KDW WUDLQLQJ LQWHUYHQWLRQV DUZ~~L~~ ~~V~~ ~~S~~ ~~K~~ ~~W~~ LQ GLVDEL~~O~~ ~~W~~ ~~K~~ ~~H~~ 006 WR HQDEOH HPSOR\PHQW RI SH~~R~~ ~~S~~ ~~O~~ ~~H~~ ~~Z~~ ~~L~~ ~~W~~ ~~K~~ ~~D~~ ~~G~~ ~~L~~ ~~V~~ ~~D~~ ~~E~~ ~~L~~ ~~O~~ ~~L~~ ~~W~~ ~~\~~ ~~"~~
- 3URYLGH VSHFLID~~F~~ ~~W~~ ~~U~~ ~~R~~ ~~P~~ ~~P~~ ~~H~~ ~~Q~~ ~~G~~ ~~D~~ ~~W~~ ~~L~~ ~~R~~ ~~Q~~ ~~V~~ ~~W~~ ~~K~~ ~~D~~ ~~W~~ ~~D~~ ~~E~~ ~~V~~ ~~R~~ ~~U~~ ~~S~~ ~~W~~ ~~L~~ ~~R~~ ~~Q~~ ~~R~~ ~~I~~ ~~P~~ ~~H~~ ~~G~~ ~~L~~ ~~F~~ ~~D~~ ~~O~~ ~~O~~ ~~\~~ ~~E~~ ~~R~~ ~~D~~ ~~U~~ ~~G~~ ~~H~~ ~~G~~ ~~H~~ ~~P~~ ~~S~~ ~~O~~ ~~R~~ ~~\~~ ~~H~~ ~~H~~ ~~V~~

- &XUUHQW QDWXUH RI VNLOOV VXSSO\
- 6SHFLILF UHFRPPHQGDWLRQV RQ VWUDWHJLF DQG RI UHVSRRGLQJ WR VNLOOV GHYHORSPHQW UHODV
- ,QYHVWQVNWOOV GHPDQG DQG WKH QDWXUH RI ZIXW WKH FKDQJLQJ VZHFKQRORJNHUHQW VXEYHFWRUV LQ V
- .H\ IRFXV DUHDV LQFOXGH
 - 1DWXUH RI VNLOOV GMRDQGLQJ FFXSDWLRQDO SUR
 - ([WHQW DQG QDWXUH QM WKLHOOV VXSSO\ HGXFDV SURYLVLRQ
 - 6NLOOVDFWFK EHWZHHQ VXSSO\ DQG GHPDQG
 - .LQG RI LQWVWDELOW EHLQPSOHPHQW WKH WGHGGLUHV VNLOOV PLVPDFK
 - :D\ RI OHYHUDJLQHFVRFDQWUDLQWKLQDVG GHPDQG LQ WKH 006
- 'HYHORSLQJ D IUDPHZRUN WR GHWHUPLQH DQWLF 006 DSSOLFDEOH DFURVV VXEYHFWRUV
- .H\ IRFXV DUHDV LQFOXGH
 - .H\ GULYHUV VNLOOV EHQJLXLUHPHQWV LQ WKH
 - ,QHUQDWLRQDOVRI[SXVWHQV SUDFWLFHV DQ OHVVRQV WKDW FDQ EH OHDUQHG IURP WK DSSOLFDWLRQ LQ WKH 006
 - &ULWLFDO VXFFHVV IDFWRUV NH\ IHDWXUH GHYHORSPHQW RI D IUDPHZRUN WR WKUHVNLOOV
 -)UDPHZRUN WKDW FRXOGDSSOLFDELODKHFDQ DQWLDWXUHSRFXUH DQGRSERRIRORZHG DSSO\LQJ LW

6. RESEARCH COLLABORATIONS: PARTNERSHIPS WITH PRIVATE AND PUBLIC INSTITUTIONS REGARDING SKILLS DEVELOPMENT IN THE MMS

2QH RI WKH SULQFLSOHV RI WKH 16'3 LV WR HQFRXUDJH FROODERUDWLRQV DQWVWDELOWV \$V VXFK WKH 16'3 SURPRWH

- &ROODERUDWLRQ WKURXJK SDUWQHUVKLSV ZLWKLQV EHWZHHQ WKH SXEOLF DQG SULYDWH VHFWRUV WR GHYHORSPHQW
- \$IRFXV RQ TXDOLW\ HGXFDWLRQ DQG WUDLQLQJ SUR
- EHWZHHQ SURJUDPPH DQWVWDELOWV DQWVWDELOWV DQWVWDELOWV HIIHF

OH DUQLQJS ~~VW~~ KZRUM

- \$ VWURQJ IRFXV ~~EQVZRGUNSDDFH~~ LQJ LQ ERWK SXEOLF ~~D~~
VHFWRUV
- 3DUWQH ~~DFURSV~~ WKH VNLOOV GHYHORSHPHQW V\ VWHP
DQG SXEOLF SURYLGHUV DQG
- (IIHFWLYH DQG ~~PHHRODGHUWQJ~~ JDJHPHQW WR VXSSRUW
DQG SDUWLFLSDWLRQ ~~DEEDOXGWDJSEMRWQGHU~~
LQGLYLGXDOV HPSOR\HUV ODERXU SURYLGHUV SU
WKH SXEOLF

7. RESEARCH FUNDING AND PROCUREMENT

7KH04\$1V SURFXUHPHQW ~~WR~~ ~~S~~ ~~H~~ ~~D~~ ~~Q~~ ~~W~~ ~~G~~ ~~F~~ ~~E~~ \ LWHFWLRQ RI W
&RQVWLWXW ~~B~~ ~~R~~ ~~O~~ ~~R~~ ~~I~~ ~~F~~ ~~5~~ ~~1~~ ~~5~~ ~~Q~~ ~~D~~ ~~Q~~ ~~F~~ ~~H~~ ~~0~~ ~~D~~ ~~Q~~ ~~D~~ ~~J~~ ~~H~~ ~~S~~ ~~P~~ ~~H~~ ~~Q~~ ~~W~~ ~~S~~ ~~I~~ ~~F~~ ~~W~~
DQG 7UHDVXU\ ~~5~~ ~~K~~ ~~H~~ ~~X~~ ~~G~~ ~~D~~ ~~S~~ ~~M~~ ~~L~~ ~~R~~ ~~Q~~ ~~X~~ ~~U~~ ~~G~~ ~~H~~ ~~P~~ ~~H~~ ~~L~~ ~~O~~ ~~V~~ ~~R~~ ~~Q~~
UHVHDFK ~~S~~ ~~D~~ ~~Z~~ ~~D~~ ~~V~~ ~~R~~ ~~Q~~ ~~L~~ ~~G~~ ~~H~~ ~~R~~ ~~U~~ ~~W~~ ~~T~~ ~~X~~ ~~L~~ ~~W~~ \ IDLUQHVV
DFFRXQWDELOLWIX ~~Q~~ ~~E~~ ~~D~~ ~~Q~~ ~~D~~ ~~S~~ ~~D~~ ~~E~~ ~~X~~ ~~P~~ ~~R~~ ~~Q~~ ~~W~~ \ GHUDWLRQV
,Q DGG ~~W~~ ~~K~~ ~~H~~ ~~0~~ ~~4~~ ~~\$~~ DV 6Q7\$ KDSXW LQ SODF ~~B~~ ~~Q~~ ~~G~~ ~~V~~ ~~W~~ ~~H~~ ~~P~~ ~~V~~
SURFHGXUHV WR ~~S~~ ~~X~~ ~~S~~ ~~U~~ ~~R~~ ~~Y~~ ~~H~~ ~~G~~ ~~H~~ ~~F~~ ~~X~~ ~~S~~ ~~O~~ ~~M~~ ~~V~~ & KDLQ 0DQDJHP
3RO ~~D~~ ~~F~~ ~~A~~ ~~Z~~ ~~H~~ ~~O~~ ~~O~~ ~~D~~ ~~V~~ ~~W~~ ~~K~~ ~~H~~ \ ~~L~~ ~~M~~ ~~F~~ ~~V~~ ~~H~~ ~~W~~ ~~L~~ ~~R~~ ~~Q~~ ~~D~~ ~~U~~ \ SURF

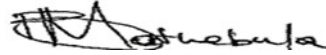
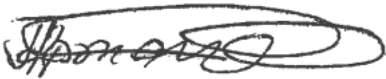
7KH04\$ VKDOO HQWHU ~~L~~ ~~Q~~ ~~S~~ ~~X~~ ~~E~~ ~~O~~ ~~S~~ ~~L~~ ~~F~~ ~~S~~ ~~D~~ ~~W~~ ~~Z~~ ~~Q~~ ~~W~~ ~~K~~ ~~S~~
LQVWLWXW ~~M~~ ~~I~~ ~~S~~ ~~O~~ ~~N~~ ~~L~~ ~~Q~~ ~~W~~ ~~K~~ ~~D~~ ~~U~~ ~~H~~ ~~D~~ ~~W~~ ~~S~~ ~~D~~ ~~R~~ ~~U~~ ~~P~~ ~~Q~~ ~~H~~ ~~U~~ ~~V~~ ~~K~~ ~~S~~ ~~V~~ ~~W~~ ~~R~~ ~~X~~ ~~Q~~ ~~G~~ ~~H~~ ~~U~~
UHVHDFK LQ OLQH ZLWK WKH ~~0~~ ~~4~~ ~~\$~~ ~~R~~ ~~D~~ ~~Q~~ ~~G~~ ~~K~~ ~~D~~ ~~W~~ ~~H~~ ~~H~~ ~~O~~ ~~G~~ ~~S~~ ~~H~~ ~~F~~ ~~L~~ ~~D~~
7KH04\$ LQW ~~W~~ ~~R~~ ~~G~~ ~~X~~ ~~Q~~ ~~G~~ UHVHDFK ~~U~~ ~~S~~ ~~D~~ ~~K~~ ~~D~~ ~~E~~ ~~P~~ ~~W~~ ~~W~~ ~~H~~ ~~O~~ ~~V~~ ~~W~~ ~~R~~ ~~Z~~ ~~Q~~
ILQDQFLDO UHVRXUFHV

8. CONCLUSION

7KH 04\$VHDUFK QDD LV LQWRKUPPGEGDMLEGZKHFESUHV VLRQ
LQWLYHIDWUDWHDQDQGSODDQXDOSSODRURDQFVHDUFK
ODEPDU NHW LQWHOOLJHQFRQWVQXDWKUHHCIRWR DQG VX
REMFWLYH GHFLVLRQ PDNLQJ IRU VNLOOV GHYHORSPHQV

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MINING QUALIFICATIONS AUTHORITY

0, 1, 1* 48\$/), & \$7, 2
\$87+25, 7<

